



Mold Design for Injection Molding

This course provides mold makers, design engineers, and molders with the common language and core knowledge required to successfully design robust injection molds that meet cycle time, cost, part quality, and lead time requirements.

Class topics address good manufacturing practices (GMP) for part design, including fundamental material characteristics, necessary processing techniques, and molding non-conformities, with a focus on robust mold design.

Topics of Discussion:

Part Design

- Wall Thickness
- Draft
- Radius
- Undercuts
- Surface Finish

Prints

- Tolerance
- Datum's

Material

- Melt Flow Index (MFI)
- Shrink Rate
- Heat Deflection Temperature

Machine

- Clamp Unit
- Injection Unit

Processing

- Melt Temperature
- Flow Rate
- Pressure Gradient
- Cooling Rate and Time

Mold

- Line of Draw
- Steel
- Coatings
- Actions
- Gating
- Venting
- Support Pillars
- Cooling
- Ejection
- Instrumentation

Molding Non-Conformities

- Warp
- Short Shots
- Sinks
- Voids

Design for Manufacturability (DFM)

- Simulation
- Mold Design Checklist



Course Details & Fees:

Course: Systematic Molding
Facilitator: RJG China
Instructor: Zhao Tangjing or Sean Yang

Cost: 7,800 RMB per Person (includes tax)
Hotel and Travel Costs are the Responsibility of the Attendee

Maximum Number of Students
20 Participants (first come first served basis)
Max 2 Persons Per Company

Times: 9:15am - 5pm CST (Day 1)
9am - 5pm CST (Days 2-3)

Course Location Information:

City	Location	Recommended Hotel
Suzhou	Poly-Cast Plastics (Suzhou) Co., Ltd. Building No.33, North Wing Undertaking Industrial Square Yang Tai Road, SIP Suzhou, Jiangsu, 215021, P.R.China	Courtyard by Marriott Suzhou 188 Xinghai Street, Suzhou Industrial Park Suzhou 215008, Jiangsu Province, P.R.China
Dongguan	ULTRATECH MOLD (DONGGUAN) CO., LTD Block B, No.55 XiangXin East Road, YanTian, FengGang, DongGuan, GuangDong, 523700, China	Crowne Plaza 9009 Longxing Avenue, Longgang City Centre, Shenzhen 518172, P.R. China

Registration Form

02-05 March 2020 (Suzhou) 08-10 Sept. 2020 (Dongguan)

Attendee Name: _____ Title: _____ e-mail: _____ Mobile: _____

Attendee Name: _____ Title: _____ e-mail: _____ Mobile: _____

Company: _____

Address: _____

Contact person: _____

Tel: _____ Fax: _____ e-mail: _____

For faster response and to reserve your seat, please fax in the form to: +86-028-62010816
or e-mail to alex.zhang@rjginc.com
Jie Zhang/Alex Zhang phone number: +86 186 2800 1953 or RJG Chengdu Office +86-028-62016816